**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

Measurement Recorded On:

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 1 | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) as per the direction of Engineer in charge | | | | | | |
| | **4th Bill** | | | | | | |
| | **For RCC Drain** | | | | | | |
| | **Singanayakanahalli Panchaythi** | | | | | | |
| | **Yediyurappanagara** | | | | | | |
| | **9th cross road** | | | | | | |
| | CH: 00.00m to 21.00m | 1 | 21.00 | 1.10 | 1.00 | 23.10 | |
| | Gap | | | | | | |
| | CH: 21.00m to 34.80m | 1 | 13.80 | 1.10 | 1.00 | 15.18 | |
| | Gap | | | | | | |
| | CH: 34.80m to 51.80m | 1 | 17.00 | 1.10 | 1.00 | 18.70 | |
| | Gap | | | | | | |
| | CH: 51.80m to 81.80m | 1 | 30.00 | 1.10 | 1.00 | 33.00 | |
| | CH: 81.80m to 95.40m | 1 | 13.60 | 1.10 | 1.00 | 14.96 | |
| | Gap | | | | | | |
| | CH: 95.40m to 115.60m | 1 | 20.20 | 1.10 | 1.00 | 22.22 | |
| | Gap | | | | | | |
| | CH: 115.60m to 135.80m | 1 | 20.20 | 1.10 | 1.00 | 22.22 | |
| | Gap | | | | | | |
| | CH: 135.80m to 156.20m | 1 | 20.40 | 1.10 | 1.00 | 22.44 | |
| | Gap | | | | | | |
| | CH: 156.20m to 176.50m | 1 | 20.30 | 1.10 | 1.00 | 22.33 | |
| | Gap | | | | | | |
| | CH: 176.50m to 189.00m | 1 | 12.50 | 1.10 | 1.00 | 13.75 | |
| | **Singanayakanahalli Madiwala Samudaya bhavana** | | | | | | |
| | **Footing** | | | | | | |
| | F1 | 6 | 3.40 | 3.20 | 2.00 | 130.56 | |
| | F2 | 4 | 2.60 | 2.20 | 2.00 | 45.76 | |
| | F3 | 4 | 2.40 | 2.20 | 2.00 | 42.24 | |
| | F4 | 3 | 1.500 | 1.50 | 1.50 | 10.13 | |
| | **For SSm Foundation** | | | | | | |
| | Outer Walls | 1 | 10.00 | 0.90 | 0.75 | 6.75 | |
| | | 1 | 11.80 | 0.90 | 0.75 | 7.97 | |
| | | 2 | 14.00 | 0.90 | 0.75 | 18.90 | |

C&FC

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

470.20

Asst. Executive Engi
Project Division
Yelahanka Zone
BBMP, Bangalore -

Contractor Consultant Assistant Engineer Assistant Exec. Engineer

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| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | **Inner walls** | 4 | 2.00 | 0.60 | 0.60 | 2.88 | |
| | | 2 | 1.20 | 0.60 | 0.60 | 0.86 | |
| | | | | | **Present Qty** | **473.94** | **Cum** |
| | | | | | **Qty Paid upto 3rd Bill** | **2188.52** | **Cum** |
| | | | | | **Total Qty** | **2662.47** | **Cum** |
| | | | | | **Deduct Qty Paid upto 3rd Bill** | **2188.52** | **Cum** |
| | | | | | **Qty to be paid in 4th Bill** | **473.94** | **Cum** |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

Measurement Recorded On:

| Item No | Discription of Item | No | Length | B1 | B2 | Avg. B | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| 2 | Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work as per the direction of Engineer in charge | | | | | | | | |
| | **4th Bill** | | | | | | | | |
| | **Singanayakanahalli Panchaythi** | | | | | | | | |
| | **Singanayakanahalli** | | | | | | | | |
| | **Sai Enclave layout Mn Rd** | | | | | | | | |
| | CH: 00.00m to 15.00m | 1 | 15.00 | 6.60 | 6.20 | 6.40 | 0.25 | 24.00 | |
| | CH: 15.00m to 30.00m | 1 | 15.00 | 6.20 | 6.40 | 6.30 | 0.25 | 23.63 | |
| | CH: 30.00m to 45.00m | 1 | 15.00 | 6.40 | 6.30 | 6.35 | 0.25 | 23.81 | |
| | CH: 45.00m to 60.00m | 1 | 15.00 | 6.30 | 6.10 | 6.20 | 0.25 | 23.25 | |
| | CH: 60.00m to 75.00m | 1 | 15.00 | 6.10 | 6.40 | 6.25 | 0.25 | 23.44 | |
| | CH: 75.00m to 90.00m | 1 | 15.00 | 6.40 | 6.50 | 6.45 | 0.25 | 24.19 | |
| | CH:90.00m to 105.00m | 1 | 15.00 | 6.50 | 8.30 | 7.40 | 0.25 | 27.75 | |
| | CH: 105.00m to 120.00m | 1 | 15.00 | 8.30 | 8.10 | 8.20 | 0.25 | 30.75 | |
| | CH:120.00m to 135.00m | 1 | 15.00 | 8.10 | 7.20 | 7.65 | 0.25 | 28.69 | |
| | CH: 135.00m to 150.00m | 1 | 15.00 | 7.20 | 6.60 | 6.90 | 0.25 | 25.88 | |
| | CH: 150.00m to 165.00m | 1 | 15.00 | 6.60 | 6.60 | 6.60 | 0.25 | 24.75 | |
| | CH: 165.00m to 180.00m | 1 | 15.00 | 6.60 | 6.50 | 6.55 | 0.25 | 24.56 | |
| | CH: 180.00m to 195.00m | 1 | 15.00 | 6.50 | 7.40 | 6.95 | 0.25 | 26.06 | |
| | CH: 195.00m to 210.00m | 1 | 15.00 | 7.40 | 9.40 | 8.40 | 0.25 | 31.50 | |
| | CH: 210.00m to 222.70m | 1 | 12.70 | 9.40 | 12.20 | 10.80 | 0.25 | 34.29 | |
| | | | | | | | **Present Qty** | **396.54** | **Cum** |
| | | | | | | | **Qty Paid upto 3rd Bill** | **13237.74** | **Cum** |
| | | | | | | | **Total Qty** | **13634.28** | **Cum** |
| | | | | | | | **Deduct Qty Paid upto 3rd Bill** | **13237.74** | **Cum** |
| | | | | | | | **Qty to be paid in 4th Bill** | **396.54** | **Cum** |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 9

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

Measurement Recorded On:

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 3 | Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km as per the direction of Engineer in charge | | | | | | |
| | **4th Bill** | | | | | | |
| | **Qty From Item No-1** | 1 | 473.94 | 1.28 | | 606.65 | |
| | **Qty From Item No-2** | 1 | 396.54 | 1.28 | | 507.57 | |
| | | | | | **Present Qty** | **1114.22** | **t.km** |
| | | | | | **Qty Paid upto 3rd Bill** | **19745.62** | **t.km** |
| | | | | | **Total Qty** | **20859.84** | **t.km** |
| | | | | | **Deduct Qty Paid upto 3rd Bill** | **19745.62** | **t.km** |
| | | | | | **Qty to be paid in 4th Bill** | **1114.22** | **t.km** |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

Measurement Recorded On:

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 4 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates as per the direction of Engineer in charge | | | | | | |
| | **4th Bill** | | | | | | |
| | **For RCC Drain** | | | | | | |
| | **Singanayakanahalli Panchaythi** | | | | | | |
| | **Yediyurappanagara** | | | | | | |
| | **9th cross road** | | | | | | |
| | CH: 00.00m to 21.00m | 1 | 21.00 | 1.10 | 0.15 | 3.47 | |
| | Gap | | | | | | |
| | CH: 21.00m to 34.80m | 1 | 13.80 | 1.10 | 0.15 | 2.28 | |
| | Gap | | | | | | |
| | CH: 34.80m to 51.80m | 1 | 17.00 | 1.10 | 0.15 | 2.81 | |
| | Gap | | | | | | |
| | CH: 51.80m to 81.80m | 1 | 30.00 | 1.10 | 0.15 | 4.95 | |
| | CH: 81.80m to 95.40m | 1 | 13.60 | 1.10 | 0.15 | 2.24 | |
| | Gap | | | | | | |
| | CH: 95.40m to 115.60m | 1 | 20.20 | 1.10 | 0.15 | 3.33 | |
| | Gap | | | | | | |
| | CH: 115.60m to 135.80m | 1 | 20.20 | 1.10 | 0.15 | 3.33 | |
| | Gap | | | | | | |
| | CH: 135.80m to 156.20m | 1 | 20.40 | 1.10 | 0.15 | 3.37 | |
| | Gap | | | | | | |
| | CH: 156.20m to 176.50m | 1 | 20.30 | 1.10 | 0.15 | 3.35 | |
| | Gap | | | | | | |
| | CH: 176.50m to 189.00m | 1 | 12.50 | 1.10 | 0.15 | 2.06 | |
| | **Singanayakanahalli Madiwala Samudaya bhavana** | | | | | | |
| | **Footing** | | | | | | |
| | F1 | 6 | 3.40 | 3.20 | 0.15 | 9.79 | |
| | F2 | 4 | 2.60 | 2.20 | 0.15 | 3.43 | |
| | F3 | 4 | 2.40 | 2.20 | 0.15 | 3.17 | |
| | F4 | 3 | 1.500 | 1.50 | 0.15 | 1.01 | |
| | **For SSm Foundation** | | | | | | |
| | Outer Walls | 1 | 10.00 | 0.90 | 0.15 | 1.35 | |
| | | 1 | 11.80 | 0.90 | 0.15 | 1.59 | |
| | | 2 | 14.00 | 0.90 | 0.15 | 3.78 | |
| | | | | | | | 55.31 |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor

Consultant

Assistant Engineer

Assistant Exec. Engineer

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| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | **Inner walls** | 4 | 2.00 | 0.60 | 0.15 | 0.72 | |
| | | 2 | 1.20 | 0.60 | 0.15 | 0.22 | |
| | | | | | **Present Qty** | **56.25** | **Cum** |
| | | | | | **Qty Paid upto 3rd Bill** | **338.24** | **Cum** |
| | | | | | **Total Qty** | **394.49** | **Cum** |
| | | | | | **Deduct Qty Paid upto 3rd Bill** | **338.24** | **Cum** |
| | | | | | **Qty to be paid in 4th Bill** | **56.25** | **Cum** |

CS 55.31 (6)

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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7

**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

easurement Recorded On:

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 5 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates as per the direction of Engineer in charge | | | | | | |
| | **4th Bill** | | | | | | |
| | **For RCC Drain Raft** | | | | | | |
| | **Singanayakanahalli Panchaythi** | | | | | | |
| | **Yediyurappanagara** | | | | | | |
| | **9th cross road** | | | | | | |
| | CH: 00.00m to 21.00m | 1 | 21.00 | 0.90 | 0.15 | 2.84 | |
| | Gap | | | | | | |
| | CH: 21.00m to 34.80m | 1 | 13.80 | 0.90 | 0.15 | 1.86 | |
| | Gap | | | | | | |
| | CH: 34.80m to 51.80m | 1 | 17.00 | 0.90 | 0.15 | 2.30 | |
| | Gap | | | | | | |
| | CH: 51.80m to 81.80m | 1 | 30.00 | 0.90 | 0.15 | 4.05 | |
| | CH: 81.80m to 95.40m | 1 | 13.60 | 0.90 | 0.15 | 1.84 | |
| | Gap | | | | | | |
| | CH: 95.40m to 115.60m | 1 | 20.20 | 0.90 | 0.15 | 2.73 | |
| | Gap | | | | | | |
| | CH: 115.60m to 135.80m | 1 | 20.20 | 0.90 | 0.15 | 2.73 | |
| | Gap | | | | | | |
| | CH: 135.80m to 156.20m | 1 | 20.40 | 0.90 | 0.15 | 2.75 | |
| | Gap | | | | | | |
| | CH: 156.20m to 176.50m | 1 | 20.30 | 0.90 | 0.15 | 2.74 | |
| | Gap | | | | | | |
| | CH: 176.50m to 189.00m | 1 | 12.50 | 0.90 | 0.15 | 1.69 | |
| | **For RCC Drain Wall** | | | | | | |
| | **Singanayakanahalli Panchaythi** | | | | | | |
| | **Yediyurappanagara** | | | | | | |
| | **9th cross road** | | | | | | |
| | CH: 00.00m to 21.00m | 2 | 21.00 | 0.15 | 0.60 | 3.78 | |
| | Gap | | | | | | |
| | CH: 21.00m to 34.80m | 2 | 13.80 | 0.15 | 0.60 | 2.48 | |
| | Gap | | | | | | |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor

Consultant

Assistant Engineer

31.7.18

Asst. Executive Engine
Project Division
Assistant Exec. Engineer
Yelahanka Zone
BBMP, Bangalore - 92

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Cf 31.78 (8)

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | CH: 34.80m to 51.80m | 2 | 17.00 | 0.15 | 0.60 | 3.06 | |
| | Gap | | | | | | |
| | CH: 51.80m to 81.80m | 2 | 30.00 | 0.15 | 0.60 | 5.40 | |
| | CH: 81.80m to 95.40m | 2 | 13.60 | 0.15 | 0.60 | 2.45 | |
| | Gap | | | | | | |
| | CH: 95.40m to 115.60m | 2 | 20.20 | 0.15 | 0.60 | 3.64 | |
| | Gap | | | | | | |
| | CH: 115.60m to 135.80m | 2 | 20.20 | 0.15 | 0.60 | 3.64 | |
| | Gap | | | | | | |
| | CH: 135.80m to 156.20m | 2 | 20.40 | 0.15 | 0.60 | 3.67 | |
| | Gap | | | | | | |
| | CH: 156.20m to 176.50m | 2 | 20.30 | 0.15 | 0.60 | 3.65 | |
| | Gap | | | | | | |
| | CH: 176.50m to 189.00m | 2 | 12.50 | 0.15 | 0.60 | 2.25 | |
| | | | | | **Present Qty** | **59.54** | **Cum** |
| | | | | | **Qty Paid upto 3rd Bill** | **671.21** | **Cum** |
| | | | | | **Total Qty** | **730.74** | **Cum** |
| | | | | | **Deduct Qty Paid upto 3rd Bill** | **671.21** | **Cum** |
| | | | | | **Qty to be paid in 4th Bill** | **59.54** | **Cum** |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

Measurement Recorded On:

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 6 | Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.as per the direction of Engineer in charge | | | | | | |
| | **4th Bill** | | | | | | |
| | **For RCC Drain** | | | | | | |
| | **Yediyurappanagara** | | | | | | |
| | **9th cross road** | | | | | | |
| | Total Drain Length=189.0m | | | | | | |
| | Main Bar 10mm dia @110mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @180mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of Main Bars=1718 | 1718 | 2.05 | | 0.61 | 2148.36 | |
| | No of distrubution Bars=12 | 12 | 189.00 | | 0.61 | 1383.48 | |
| | | | | | | **3531.84** | **Kgs** |
| | | | | | **Present Qty** | **3.53** | **Ton** |

Assl. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Assl. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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10

**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

Measurement Recorded On:

| Item No | Discription of Item | No | Length | B1 | B2 | Avg. B | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| 12 | Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 .as per the direction of Engineer in charge | | | | | | | | |
| | **4th Bill** | | | | | | | | |
| | **Singanayakanahalli Panchaythi** | | | | | | | | |
| | **Singanayakanahalli** | | | | | | | | |
| | **Sai Enclave layout Mn Rd** | | | | | | | | |
| | CH: 00.00m to 15.00m | 1 | 15.00 | 6.60 | 6.20 | 6.40 | 0.15 | 14.40 | |
| | CH: 15.00m to 30.00m | 1 | 15.00 | 6.20 | 6.40 | 6.30 | 0.15 | 14.18 | |
| | CH: 30.00m to 45.00m | 1 | 15.00 | 6.40 | 6.30 | 6.35 | 0.15 | 14.29 | |
| | CH: 45.00m to 60.00m | 1 | 15.00 | 6.30 | 6.10 | 6.20 | 0.15 | 13.95 | |
| | CH: 60.00m to 75.00m | 1 | 15.00 | 6.10 | 6.40 | 6.25 | 0.15 | 14.06 | |
| | CH: 75.00m to 90.00m | 1 | 15.00 | 6.40 | 6.50 | 6.45 | 0.15 | 14.51 | |
| | CH:90.00m to 105.00m | 1 | 15.00 | 6.50 | 8.30 | 7.40 | 0.15 | 16.65 | |
| | CH: 105.00m to 120.00m | 1 | 15.00 | 8.30 | 8.10 | 8.20 | 0.15 | 18.45 | |
| | CH:120.00m to 135.00m | 1 | 15.00 | 8.10 | 7.20 | 7.65 | 0.15 | 17.21 | |
| | CH: 135.00m to 150.00m | 1 | 15.00 | 7.20 | 6.60 | 6.90 | 0.15 | 15.53 | |
| | CH: 150.00m to 165.00m | 1 | 15.00 | 6.60 | 6.60 | 6.60 | 0.15 | 14.85 | |
| | CH: 165.00m to 180.00m | 1 | 15.00 | 6.60 | 6.50 | 6.55 | 0.15 | 14.74 | |
| | CH: 180.00m to 195.00m | 1 | 15.00 | 6.50 | 7.40 | 6.95 | 0.15 | 15.64 | |
| | CH: 195.00m to 210.00m | 1 | 15.00 | 7.40 | 9.40 | 8.40 | 0.15 | 18.90 | |
| | CH: 210.00m to 222.70m | 1 | 12.70 | 9.40 | 12.20 | 10.80 | 0.15 | 20.57 | |
| | | | | | | | **Present Qty** | **237.92** | **Cum** |
| | | | | | | | **Qty Paid upto 3rd Bill** | **6995.65** | **Cum** |
| | | | | | | | **Total Qty** | **7233.57** | **Cum** |
| | | | | | | | **Deduct Qty Paid upto 3rd Bill** | **6995.65** | **Cum** |
| | | | | | | | **Qty to be paid in 4th Bill** | **237.92** | **Cum** |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

Measurement Recorded On:

| Item No | Discription of Item | No | Length | B1 | B2 | Avg. B | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| 13 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as pertechnical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8 (M5) Using 40 mm nominal size graded crushed coarse aggregates as per the direction of Engineer in charge | | | | | | | | |
| | **4th Bill** | | | | | | | | |
| | **Singanayakanahalli Panchaythi** | | | | | | | | |
| | **Singanayakanahalli** | | | | | | | | |
| | **Sai Enclave layout Mn Rd** | | | | | | | | |
| | CH: 00.00m to 15.00m | 1 | 15.00 | 6.60 | 6.20 | 6.40 | 0.15 | 14.40 | |
| | CH: 15.00m to 30.00m | 1 | 15.00 | 6.20 | 6.40 | 6.30 | 0.15 | 14.18 | |
| | CH: 30.00m to 45.00m | 1 | 15.00 | 6.40 | 6.30 | 6.35 | 0.15 | 14.29 | |
| | CH: 45.00m to 60.00m | 1 | 15.00 | 6.30 | 6.10 | 6.20 | 0.15 | 13.95 | |
| | CH: 60.00m to 75.00m | 1 | 15.00 | 6.10 | 6.40 | 6.25 | 0.15 | 14.06 | |
| | CH: 75.00m to 90.00m | 1 | 15.00 | 6.40 | 6.50 | 6.45 | 0.15 | 14.51 | |
| | CH:90.00m to 105.00m | 1 | 15.00 | 6.50 | 8.30 | 7.40 | 0.15 | 16.65 | |
| | CH: 105.00m to 120.00m | 1 | 15.00 | 8.30 | 8.10 | 8.20 | 0.15 | 18.45 | |
| | CH:120.00m to 135.00m | 1 | 15.00 | 8.10 | 7.20 | 7.65 | 0.15 | 17.21 | |
| | CH: 135.00m to 150.00m | 1 | 15.00 | 7.20 | 6.60 | 6.90 | 0.15 | 15.53 | |
| | CH: 150.00m to 165.00m | 1 | 15.00 | 6.60 | 6.60 | 6.60 | 0.15 | 14.85 | |
| | CH: 165.00m to 180.00m | 1 | 15.00 | 6.60 | 6.50 | 6.55 | 0.15 | 14.74 | |
| | CH: 180.00m to 195.00m | 1 | 15.00 | 6.50 | 7.40 | 6.95 | 0.15 | 15.64 | |
| | CH: 195.00m to 210.00m | 1 | 15.00 | 7.40 | 9.40 | 8.40 | 0.15 | 18.90 | |
| | CH: 210.00m to 222.70m | 1 | 12.70 | 9.40 | 12.20 | 10.80 | 0.15 | 20.57 | |
| | | | | | | | **Present Qty** | **237.92** | **Cum** |
| | | | | | | | **Qty Paid upto 3rd Bill** | **6995.65** | **Cum** |
| | | | | | | | **Total Qty** | **7233.57** | **Cum** |
| | | | | | | | **Deduct Qty Paid upto 3rd Bill** | **6995.65** | **Cum** |
| | | | | | | | **Qty to be paid in 4th Bill** | **237.92** | **Cum** |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

12

Measurement Recorded On: Detailed Measurements

| Item No | Discription of Item | No | Length | Avg. B | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 18 | Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates as per the direction of Engineer in charge. | | | | | | |
| | **4th Bill** | | | | | | |
| | **Singanayakanahalli Madiwala Samudaya bhavana** | | | | | | |
| | **Footing** | | | | | | |
| | F1 | 6 | 3.10 | 2.90 | 0.50 | 26.97 | |
| | F2 | 4 | 2.30 | 2.90 | 0.40 | 10.67 | |
| | F3 | 4 | 2.10 | 1.90 | 0.35 | 5.59 | |
| | F4 | 3 | 1.200 | 1.20 | 0.30 | 1.30 | |
| | Coloumn up to Plinth | | | | | | |
| | C1 | 6 | 0.45 | 0.60 | 1.65 | 2.67 | |
| | C2 | 8 | 0.23 | 0.40 | 1.65 | 1.21 | |
| | C3 | 3 | 0.23 | 0.23 | 1.65 | 0.26 | |
| | | | | | **Present Qty** | **48.67** | **Cum** |
| | | | | | **Qty Paid upto 3rd Bill** | **0.00** | **Cum** |
| | | | | | **Total Qty** | **48.67** | **Cum** |
| | | | | | **Deduct Qty Paid upto 3rd Bill** | **0.00** | **Cum** |
| | | | | | **Qty to be paid in 4th Bill** | **48.67** | **Cum** |
| | | | | | **Upto 125%** | **23.46** | **Cum** |
| | | | | | **Above 125%** | **25.21** | **Cum** |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

ontractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

13

Detailed Measurements

Measurement Recorded On:

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 19 | Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates as per the direction of Engineer in charge | | | | | | |
| | **4th Bill** | | | | | | |
| | **Singanayakanahalli Madiwala Samudaya bhavana** | | | | | | |
| | **Plinth Beam** | | | | | | |
| | **PB1** | 2 | 10.00 | 0.23 | 0.38 | 1.75 | |
| | **PB2** | 2 | 10.00 | 0.23 | 0.60 | 2.76 | |
| | PB3 | 2 | 14.00 | 0.23 | 0.30 | 1.93 | |
| | | 2 | 2.00 | 0.30 | 0.30 | 0.36 | |
| | | 1 | 3.00 | 0.30 | 0.30 | 0.27 | |
| | | 1 | 2.00 | 0.30 | 0.30 | 0.18 | |
| | | 11 | 3.00 | 0.30 | 0.30 | 0.27 | |
| | | | | | **Present Qty** | **7.52** | **Cum** |
| | | | | | **Qty Paid upto 3rd Bill** | **0.00** | **Cum** |
| | | | | | **Total Qty** | **7.52** | **Cum** |
| | | | | | **Deduct Qty Paid upto 3rd Bill** | **0.00** | **Cum** |
| | | | | | **Qty to be paid in 4th Bill** | **7.52** | **Cum** |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

Measurement Recorded On:

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 20 | Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6(1 cement : 6 coarse sand) as per the direction of Engineer in charge | | | | | | |
| | **4th Bill** | | | | | | |
| | **Singanayakanahalli Madiwala Samudaya bhavana** | | | | | | |
| | **For SSm Foundation** | | | | | | |
| | Outer Walls | 1 | 10.00 | 0.75 | 0.45 | 3.38 | |
| | | 1 | 11.80 | 0.75 | 0.45 | 3.98 | |
| | | 2 | 14.00 | 0.75 | 0.45 | 9.45 | |
| | **Inner walls** | 4 | 2.00 | 0.45 | 0.60 | 2.16 | |
| | | 2 | 1.20 | 0.45 | 0.60 | 0.65 | |
| | 2nd Step Outer Walls | 1 | 10.00 | 0.45 | 0.45 | 2.03 | |
| | | 1 | 11.80 | 0.45 | 0.45 | 2.39 | |
| | | 2 | 14.00 | 0.45 | 0.45 | 5.67 | |
| | | | | | **Present Qty** | **29.70** | **Cum** |
| | | | | | **Qty Paid upto 3rd Bill** | **0.00** | **Cum** |
| | | | | | **Total Qty** | **29.70** | **Cum** |
| | | | | | **Deduct Qty Paid upto 3rd Bill** | **0.00** | **Cum** |
| | | | | | **Qty to be paid in 4th Bill** | **29.70** | **Cum** |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

15

Measurement Recorded On: Detailed Measurements

| Item No | Discription of Item | No | Length | Avg. B | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 21 | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.as per the direction of Engineer in charge. | | | | | | |
| | **For RCC Drain** | | | | | | |
| | **Singanayakanahalli Madiwala Samudaya bhavana** | | | | | | |
| | **For SSm Foundation** | | | | | | |
| | | 1 | 10.00 | 14.00 | 0.60 | 84.00 | |
| | Deduct Plinth | -2 | 10.00 | 0.23 | 0.30 | -1.38 | |
| | SSM | -2 | 10.00 | 0.45 | 0.30 | -2.70 | |
| | **Inner walls** | -4 | 2.00 | 0.23 | 0.30 | -0.55 | 6.20 |
| | | -2 | 1.20 | 0.23 | 0.30 | -0.17 | |
| | SSM | -4 | 2.00 | 0.45 | 0.30 | -1.08 | |
| | | -2 | 1.20 | 0.45 | 0.30 | -0.32 | |
| | | | | | **Present Qty** | **84.00** | **Cum** |
| | | | | | **Qty Paid upto 3rd Bill** | **0.00** | **Cum** |
| | | | | | **Total Qty** | **84.00** | **Cum** |
| | | | | | **Deduct Qty Paid upto 3rd Bill** | **0.00** | **Cum** |
| | | | | | **Qty to be paid in 4th Bill** | **84.00** | **Cum** |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

77.80

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

Measurement Recorded On:

| Item No | Discription of Item | | No | Length | Avg. B | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|
| 22 | Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) as per the direction of Engineer in charge. | | | | | | | |
| | **4th Bill** | | | | | | | |
| | **Singanayakanahalli Madiwala Samudaya bhavana** | | | | | | | |
| | **Footing** | | | | | | | |
| | F1=3.1X2.90m | | | | | | | |
| | 12mm dia bar @125mmC/c both ways | | 6 | 25 | 3.20 | 0.89 | 427.20 | |
| | | | 6 | 23 | 3.40 | 0.89 | 417.59 | |
| | F2=2.30X2.90m | | | | | | | |
| | 12mm dia bar @125mmC/c both ways | | 4 | 19 | 3.20 | 0.89 | 216.45 | |
| | | | 4 | 23 | 2.60 | 0.89 | 212.89 | |
| | F3=2.10X1.90m | | | | | | | |
| | 10mm dia bar @150mmC/c both ways | | 4 | 14 | 2.20 | 0.61 | 75.15 | |
| | | | 4 | 12 | 2.40 | 0.61 | 70.27 | |
| | F4 =1.20X1.20m | | | | | | | |
| | 10mm dia bar @150mmC/c both ways | | 3 | 16 | 1.50 | 0.61 | 43.92 | |
| | **For Columns** | | | | | | | |
| | C1 | | | | | | | |
| | 10Nos of 20mm dia bar | | 6 | 10 | 3.850 | 2.47 | 570.57 | |
| | Stirrups 8mm dia @ 150mmC/c | | 6 | 21 | 2.100 | 0.39 | 103.19 | |
| | | | 6 | 21 | 1.500 | 0.39 | 73.71 | |
| | C2 | | | | | | | |
| | 8Nos of 16mm dia bar | | 8 | 10 | 3.850 | 1.58 | 389.31 | |
| | Stirrups 8mm dia @ 150mmC/c | | 8 | 21 | 1.260 | 0.39 | 82.56 | |
| | | | 8 | 21 | 0.920 | 0.39 | 60.28 | |
| | C3 | | | | | | | |
| | 4Nos of 12mm dia bar | | 3 | 4 | 3.850 | 0.89 | 41.12 | |
| | Stirrups 8mm dia @ 150mmC/c | | 3 | 21 | 0.920 | 0.39 | 22.60 | |
| | | | | | | **Present Qty** | **2806.81** | **Kg** |
| | | | | | | **Qty Paid upto 3rd Bill** | **0.00** | **Kg** |
| | | | | | | **Total Qty** | **2806.81** | **Kg** |
| | | | | | | **Deduct Qty Paid upto 3rd Bill** | **0.00** | **Kg** |
| | | | | | | **Qty to be paid in 4th Bill** | **2806.81** | **Kg** |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kithsnahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Arkruthia Nagarothana Grants",**

Detailed Measurements

Measurement Recorded On:

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 119 | Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications as per the direction of Engineer in charge. | | | | | | |
| | **4th Bill** | | | | | | |
| | **Singanayakanahalli Madiwala Samudaya bhavana** | | | | | | |
| | Total Earth Work Qty | | | | | 266.044 | |
| | **Deduct Concrete Qty** | | | | | | |
| | **PCC** | | | | | -25.06 | |
| | **Footing and Coloumn Qty up to Plinth** | | | | | -48.67 | |
| | SSM Below GL | | | | | -22.98 | |
| | | | | | **Present Qty** | **169.33** | **Cum** |

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor | Consultant | Assistant Engineer | Assistant Exec. Engineer

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, | | | | | | | | |
| | **Vide Premeasurement page no.** 02 | | | | | 473.94 | | | |
| | | | | | **Present Qty** | **473.94** | **Cum** | **317.00** | **150240.25** |
| 2 | Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, | | | | | | | | |
| | **Vide Premeasurement page no.** 03 | | | | | 396.54 | | | |
| | | | | | **Present Qty** | **396.54** | **Cum** | **68.00** | **26964.72** |
| 3 | Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km as per the direction of Engineer in charge | | | | | | | | |
| | **Vide Premeasurement page no.** 04 | | | | | 1114.22 | | | |
| | | | | | **Present Qty** | **1114.22** | **t.km** | **63.00** | **70195.83** |
| 4 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding | | | | | | | | |
| | **Vide Premeasurement page no.** 06 | | | | | 56.25 | | | |
| | | | | | **Present Qty** | **56.25** | **Cum** | **6010.00** | **338053.49** |
| 5 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded | | | | | | | | |
| | **Vide Premeasurement page no.** 08 | | | | | 59.54 | | | |
| | | | | | **Present Qty** | **59.54** | **Cum** | **6858.67** | **408331.15** |
| 6 | Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.as per the direction of Engineer | | | | | | | | 380847.00 |
| | **Vide Premeasurement page no.** 09 | | | | | 3.53 | | | |
| | | | | | **Present Qty** | **3.53** | **Ton** | **107888.86** | **381046.08** |
| 12 | Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory | | | | | | | | |
| | **Vide Premeasurement page no.** 10 | | | | | 237.92 | | | |
| | | | | | **Present Qty** | **237.92** | **Cum** | **2450.57** | **583050.19** |

583039.00

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 13 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 | | | | | | | | |
| | **Vide Premeasurement page no.** | | | | | 237.92 | | | |
| | | | | | **Present Qty** | **237.92** | **Cum** | **5600.71** | **1332542.54** |
| 18 | Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well | | | | | | | | |
| | **Vide Premeasurement page no.** | | | | | 48.67 | | | |
| | | | | | **Present Qty** | **48.67** | **Cum** | | |
| | | | | | **Upto 125%** | **23.46** | **Cum** | **7218.59** | **169366.19** |
| | | | | | **Above 125%** | **25.21** | **Cum** | **7218.59** | **181986.13** |
| 19 | Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates | | | | | | | | |
| | **Vide Premeasurement page no.** | | | | | 7.52 | | | |
| | | | | | **Present Qty** | **7.52** | **Cum** | **213.00** | **1601.79** |
| 20 | Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6(1 cement : 6 coarse sand) as per the direction of Engineer in charge | | | | | | | | |
| | **Vide Premeasurement page no.** | | | | | 29.70 | | | |
| | | | | | **Present Qty** | **29.70** | **Cum** | **5661.27** | **168139.84** |
| 21 | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift | | | | | | | | |
| | **Vide Premeasurement page no.** | | | | | 84.00 | | | |
| | | | | | **Present Qty** | **84.00** | **Cum** | **213.00** | **17892.33** |
| 22 | Providing Thermo-Mechanically ~~Treated~~ bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as | | | | | | | | |
| | **Vide Premeasurement page no.** | | | | | 2806.81 | | | |
| | | | | | **Present Qty** | **2806.81** | **kg** | **110.68** | **310644.45** |
| 119 | Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per | | | | | | | | |
| | **Vide Premeasurement page no.** | | | | | 169.33 | | | |
| | | | | | **Present Qty** | **169.33** | **Cum** | **129.99** | **22010.85** |

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

Measurement Recorded On:

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 7 | Providing and fixing precast reinforced cement concrete covering slabs of 10Cm thick made of M20 with OPC cement, with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work. | | | | | | | | |
| | **4th Bill** | | | | | | | | |
| | **For RCC Drain** | | | | | | | | |
| | **Singanayakanahalli Panchaythi** | | | | | | | | |
| | **Yediyurappanagara** | | | | | | | | |
| | **9th cross road** | | | | | | | | |
| | CH: 00.00m to 21.00m | 1 | 21.00 | 0.90 | | 18.90 | | | |
| | Gap | | | | | | | | |
| | CH: 21.00m to 34.80m | 1 | 13.80 | 0.90 | | 12.42 | | | |
| | Gap | | | | | | | | |
| | CH: 34.80m to 51.80m | 1 | 17.00 | 0.90 | | 15.30 | | | |
| | Gap | | | | | | | | |
| | CH: 51.80m to 81.80m | 1 | 30.00 | 0.90 | | 27.00 | | | |
| | CH: 81.80m to 95.40m | 1 | 13.60 | 0.90 | | 12.24 | | | |
| | Gap | | | | | | | | |
| | CH: 95.40m to 115.60m | 1 | 20.20 | 0.90 | | 18.18 | | | |
| | Gap | | | | | | | | |
| | CH: 115.60m to 135.80m | 1 | 20.20 | 0.90 | | 18.18 | | | |
| | Gap | | | | | | | | |
| | CH: 135.80m to 156.20m | 1 | 20.40 | 0.90 | | 18.36 | | | |
| | Gap | | | | | | | | |
| | CH: 156.20m to 176.50m | 1 | 20.30 | 0.90 | | 18.27 | | | |
| | Gap | | | | | | | | |
| | CH: 176.50m to 189.00m | 1 | 12.50 | 0.90 | | 11.25 | | | |
| | | | | | | **Present Qty** | **170.10** | **Sqm** | |
| | | | | | | **Qty Paid upto 3rd Bill** | **1747.37** | **Sqm** | |
| | | | | | | **Total Qty** | **1917.47** | **Sqm** | |
| | | | | | | **Deduct Qty Paid upto 3rd Bill** | **1747.37** | **Sqm** | |
| | | | | | | **Qty to be paid in 4th Bill** | **170.10** | **Sqm** | **2100.42** | **357282.07** |

Assistant Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Assistant Exec. Engineer

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**Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".**

Detailed Measurements

Measurement Recorded On:

| Discription of Item | No | Length | B1 | B2 | Avg. B | Depth | Qty | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity andappropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes,compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work.as per the direction of Engineer in charge | | | | | | | | | | |
| **4th Bill** | | | | | | | | | | |
| **Singanayakanahalli Panchaythi** | | | | | | | | | | |
| **Singanayakanahalli** | | | | | | | | | | |
| **Sai Enclave layout Mn Rd** | | | | | | | | | | |
| CH: 00.00m to 15.00m | 1 | 15.00 | 6.60 | 6.20 | 6.40 | 0.15 | 14.40 | | | |
| CH: 15.00m to 30.00m | 1 | 15.00 | 6.20 | 6.40 | 6.30 | 0.15 | 14.18 | | | |
| CH: 30.00m to 45.00m | 1 | 15.00 | 6.40 | 6.30 | 6.35 | 0.15 | 14.29 | | | |
| CH: 45.00m to 60.00m | 1 | 15.00 | 6.30 | 6.10 | 6.20 | 0.15 | 13.95 | | | |
| CH: 60.00m to 75.00m | 1 | 15.00 | 6.10 | 6.40 | 6.25 | 0.15 | 14.06 | | | |
| CH: 75.00m to 90.00m | 1 | 15.00 | 6.40 | 6.50 | 6.45 | 0.15 | 14.51 | | | |
| CH:90.00m to 105.00m | 1 | 15.00 | 6.50 | 8.30 | 7.40 | 0.15 | 16.65 | | | |
| CH: 105.00m to 120.00m | 1 | 15.00 | 8.30 | 8.10 | 8.20 | 0.15 | 18.45 | | | |
| CH:120.00m to 135.00m | 1 | 15.00 | 8.10 | 7.20 | 7.65 | 0.15 | 17.21 | | | |
| CH: 135.00m to 150.00m | 1 | 15.00 | 7.20 | 6.60 | 6.90 | 0.15 | 15.53 | | | |
| CH: 150.00m to 165.00m | 1 | 15.00 | 6.60 | 6.60 | 6.60 | 0.15 | 14.85 | | | |
| CH: 165.00m to 180.00m | 1 | 15.00 | 6.60 | 6.50 | 6.55 | 0.15 | 14.74 | | | |
| CH: 180.00m to 195.00m | 1 | 15.00 | 6.50 | 7.40 | 6.95 | 0.15 | 15.64 | | | |
| CH: 195.00m to 210.00m | 1 | 15.00 | 7.40 | 9.40 | 8.40 | 0.15 | 18.90 | | | |
| CH: 210.00m to 222.70m | 1 | 12.70 | 9.40 | 12.20 | 10.80 | 0.15 | 20.57 | | | |
| | | | | | | | **Present Qty** | **237.92** | **Cum** | |
| | | | | | | | **Qty Paid upto 3rd Bill** | **6995.65** | **Cum** | |
| | | | | | | | **Total Qty** | **7233.57** | **Cum** | |
| | | | | | | | **Deduct Qty Paid upto 3rd Bill** | **6995.65** | **Cum** | 7138.72 | 1698471.83 |
| | | | | | | | **Qty to be paid in 4th Bill** | **237.92** | **Cum** | 6272108.24 |
| | | | | | | | | | **Total** | 1128979.48 |
| | | | | | | | | | **GST 18%** | 7401087.72 |
| | | | | | | | | | **Grand Total** | |

E.E. (Project)

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

Assistant Exec. Engineer

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